ing said network based on said at least one desired category and the category assigned to said network.

[0019] According to an exemplary aspect of the present invention, there is provided a method comprising transmitting a network list, said network list comprising at least one network discovery element, each of said at least one network discovery elements represents a particular network and comprises at least connection information for connecting to said network and a category assigned to said network, determining at least one desired category, and transmitting a control signaling comprising said at least one desired category.

[0020] According to an exemplary aspect of the present invention, there is provided an apparatus comprising a connection controller configured to receive a network list, said network list comprising at least one network discovery element, each of said at least one network discovery elements represents a particular network and comprises at least connection information for connecting to said network and a category assigned to said network, and to receive a control signaling comprising at least one desired category, and a control module configured to select said network based on said at least one desired category and the category assigned to said network.

[0021] According to an exemplary aspect of the present invention, there is provided an apparatus comprising a connection controller configured to transmit a network list, said network list comprising at least one network discovery element, each of said at least one network discovery elements represents a particular network and comprises at least connection information for connecting to said network and a category assigned to said network, and a control module configured to determine at least one desired category, wherein said connection controller is further configured to transmit a control signaling comprising said at least one desired category.

[0022] According to an exemplary aspect of the present invention, there is provided a computer program product comprising computer-executable computer program code which, when the program is run on a computer (e.g. a computer of an apparatus according to any one of the aforementioned apparatus-related exemplary aspects of the present invention), is configured to cause the computer to carry out the method according to any one of the aforementioned method-related exemplary aspects of the present invention.

[0023] Such computer program product may comprise (or be embodied) a (tangible) computer-readable (storage) medium or the like on which the computer-executable computer program code is stored, and/or the program may be directly loadable into an internal memory of the computer or a processor thereof.

[0024] Any one of the above aspects enables an efficient dynamic control, from 3GPP network side (operator), of network selection by terminals connecting to the network. That is, which networks are "known" by UEs can be influenced dynamically by the operator, such that it can be reacted in reasonable time to e.g. changing load conditions. Further, none of the above aspects interferes with the logic of Wi-Fi network selection implemented in the current smart phones, and is fully backwards compatible. In particular, devices not supporting it just stores and uses the Discovery Information as currently defined in ANDSF specifications.

[0025] By way of exemplary embodiments of the present invention, there is provided dynamic control of network selection. More specifically, by way of exemplary embodiments of the present invention, there are provided measures and mechanisms for realizing dynamic control of network selection.

[0026] Thus, improvement is achieved by methods, apparatuses and computer program products enabling/realizing dynamic control of network selection.

BRIEF DESCRIPTION OF THE DRAWINGS

[0027] In the following, the present invention will be described in greater detail by way of non-limiting examples with reference to the accompanying drawings, in which

[0028] FIG. **1** is a block diagram illustrating an apparatus according to exemplary embodiments of the present invention,

[0029] FIG. **2** is a block diagram illustrating an apparatus according to exemplary embodiments of the present invention,

[0030] FIG. **3** is a schematic diagram of a procedure according to exemplary embodiments of the present invention,

[0031] FIG. **4** is a schematic diagram of a procedure according to exemplary embodiments of the present invention,

[0032] FIG. **5** shows a schematic diagram illustrating an extension of Discovery Information according to exemplary embodiments of the present invention, and

[0033] FIG. **6** is a block diagram alternatively illustrating apparatuses according to exemplary embodiments of the present invention.

DETAILED DESCRIPTION OF DRAWINGS AND EMBODIMENTS OF THE PRESENT INVENTION

[0034] The present invention is described herein with reference to particular non-limiting examples and to what are presently considered to be conceivable embodiments of the present invention. A person skilled in the art will appreciate that the invention is by no means limited to these examples, and may be more broadly applied.

[0035] It is to be noted that the following description of the present invention and its embodiments mainly refers to specifications being used as non-limiting examples for certain exemplary network configurations and deployments. Namely, the present invention and its embodiments are mainly described in relation to 3GPP specifications being used as non-limiting examples for certain exemplary network configurations and deployments. In particular, LTE and LTE-Advanced network deployment is used as a non-limiting example for the applicability of thus described exemplary embodiments. As such, the description of exemplary embodiments given herein specifically refers to terminology which is directly related thereto. Such terminology is only used in the context of the presented non-limiting examples, and does naturally not limit the invention in any way. Rather, any other communication or communication related system deployment, etc. may also be utilized as long as compliant with the features described herein.

[0036] In particular, the present invention and its embodiments may be applicable in any network compound in which terminals can connect besides to 3GPP radio accesses also to Wi-Fi radio accesses (simultaneously or exclusively).

[0037] Hereinafter, various embodiments and implementations of the present invention and its aspects or embodiments